

**Exmor****HDD**
HARD DISK DRIVE**60 GB**
Hard Disk Drive**HDD Smart Protection****Face Detection**
for video & photo**HYBRID**
Memory Stick movie recording

MEMORY STICK PRO DUO

2.7" WIDE
LCD Monitor**Clear Photo**
LCD plus**Touch Panel****QUICK ON****ZEISS****DOLBY**
DIGITAL
5.1 CREATOR**HI-SPEED USB**
USB 2.0**InfoLITHIUM H**
Series

The DCR-SR220 features the ClearVid™ CMOS sensor (with Exmor™ technology) and BIONZ™ image processor to capture vibrant, high resolution images exactly like you remember them. With a built-in 60GB⁹ hard drive and Memory Stick slot, the dual record mode even lets you simultaneously shoot photos and record video.

- 2.3 Megapixel ClearVid™ CMOS Sensor (with Exmor™ Technology) and BIONZ™ Image Processor Sony's newly designed CMOS image sensor with delivers bright, vivid, and spectacularly detailed 2.3 megapixel (effective) video footage, as well as 4 megapixel still images -- all with prolonged battery life. Exmor™ technology captures images with high resolution and high sensitivity. In addition, the advanced Sony BIONZ™ image processor improves camera response time and screens out noise so the signal from each pixel is as pure as possible.
- BIONZ™ Image Processor The advanced Sony BIONZ™ Image Processor uses hardware-based Large Scale Integrated (LSI) circuitry that improves camera response time, screens out noise before RAW data conversion, handles Dynamic Range Optimization processing, and prolongs battery life.
- Exmor™ Imaging Sensor Exmor™ technology captures video and still photo images with high resolution, high sensitivity, and exceptional detail. Advanced on-sensor A/D conversion yields rich tonal reproduction with high signal-to-noise ratio.
- Face Detection for Video Footage and Digital Still Photos Made possible by the BIONZ™ image processing engine, Face Detection technology recognizes up to 8 faces anywhere in the frame and automatically controls focus, exposure, and color to help capture smiling faces brightly and clearly. Face Detection also helps make skin tones look natural without affecting other colors in the image.
- 15X Optical / 180X Digital Zoom The optical zoom helps to bring the action close up from far away. In addition, Digital Zoom Interpolation means that extreme digital zooming is clearer, with less distortion than previous types of digital zoom.
- 2.7" Wide¹ (16:9) Touch Panel Clear Photo LCD Plus™ Display (211K Pixels) The 2.7" Wide¹ (16:9) LCD screen provides exceptional viewing clarity with improved resolution (211K pixels). The display rotates up to 270 degrees for multiple viewing angles, as well as provides sharp, detailed images for monitoring or playback. The widescreen format makes shooting in 16:9 mode and composing shots even easier.
- Hybrid Recording to Hard Disk Drive or Memory Stick® Media Hybrid recording technology delivers a new level of flexibility for transferring your video footage and digital photos from the camcorder to compatible viewing devices. Record to the camcorder's internal hard disk drive, or choose instead to record to removable Memory Stick Duo™ media or Memory Stick PRO Duo™ media. You can even select from various dubbing functions to easily copy video or still images from the hard disk drive to Memory Stick media -- without using a PC. Images recorded or transferred to Memory Stick media can then be played directly on a PS3 or PC to share your memories with friends and family.
- Dual Record While recording video you have the ability to capture still images directly to Memory Stick Duo™ media (sold separately).
- Memory Stick PRO Duo™ Media Slot Capture still images directly onto Memory Stick PRO Duo™ media (sold separately) for easy transfer to PCs for emailing, printing, or sharing with other compatible Memory Stick® devices (sold separately).
- Quick On Missing an important scene can be frustrating, especially if the reason is because your camcorder is turned off. With the Quick On feature, the touch of a single button places that camcorder in Sleep mode. Another push instantly wakes the camcorder, so you'll always be ready to capture special moments.
- Built-in zoom microphone with 5.1ch recording Featuring Dolby® Digital 5.1 Creator, the built-in zoom microphone focuses audio recording on your subjects in sync with the camera's zoom lens, helping memories ring true with clear dialogue and crisp, discrete sounds.
- Dolby® Digital 5.1ch Recording Record in Dolby Digital 5.1ch surround sound with the camcorder's built-in microphone. Recording in 5.1 channel surround sound allows you to experience your home movies with active sounds coming from all directions, so you can enjoy your personal home movies the way you experienced them while recording.
- Dynamic Range Optimizer Powered by the exclusive Sony's BIONZ™ high-speed processing engine, D-Range Optimization preserves image data in bright highlights, such as suppressing "whiteout" in skies. When shooting in backlit settings, D-Range Optimization reveals more detail in shadows, preventing "blackout." As a result, the captured image appears as natural as the original scene.
- Easy Handycam Button Using a camcorder can be intimidating for some people. With a press of the Easy Handycam Button, most of the advanced features of the camcorder are "locked out," letting you focus only the buttons essential for recording.

ADDITIONAL FEATURES

- Professional Quality Carl Zeiss® Vario-Tessar® Lens
- Active Interface Shoe
- USB 2.0 Interface⁶
- InfoLITHIUM® Battery with AccuPower™ Meter System
- Stamina® Battery Power Management System
- Battery Information
- Fader Effects
- Scene Selection Modes
- Picture Effects

DCR-SR220

Specifications

General

Imaging Device: 1/5" ClearVid™ CMOS sensor (with Exmor™ technology)
 Pixel Gross: 2300K
 Recording Media: 60GB⁹ Non-Removable Hard Disk Drive, Memory Stick Duo™ Media, Memory Stick PRO Duo™ Media
 Recording and Playback Times: Approximately - HQ: 14 hours, SP: 21 hours, LP 41 hours When using 8GB Memory Stick PRO Duo™ Media (sold separately): Standard Definition: HQ = up to 115 min., SP = up to 170 min., LP = up to 325 min.

Video Actual: 1120K Pixels (4:3), 1490K Pixels (16:9)

Still Actual: 1990K Pixels (4:3), 1490K Pixels (16:9)

Processor: BIONZ™ image processor

Video Resolution: 720 x 480

Still Picture Resolution: 4 megapixel

Audio

Audio Format: Dolby® Digital 5.1

Microphone: Yes (Built-in Zoom)

Convenience

USB Streaming: N/A

Accessory Shoe: Yes (Active Interface Shoe)

White Balance: Auto, Outdoor, Indoor, One-push (touch panel)

Memory Stick PRO™ Media Compatibility: Tested to support up to 8GB media capacity; does not support high speed transfer function; does not support Access Control security function.

Still Image Mode(s): JPEG

Face Detection: Yes

Hybrid: Yes

Hybrid Plus: N/A

Quick On: Yes

Dual Record: Yes

Dynamic Range Optimizer: Yes

Scene Mode(s): Auto, Twilight, Candle, Sunrise & Sunset, Fireworks, Landscape, Portrait (Soft Portrait), Spotlight, Sports, Beach, Snow

Image Stabilization: O.I.S.

Convenience Features

Easy Operation: Yes

Multiple Language Display: Yes

Slide Show Mode: Yes

Picture Effect(s): Monotone, Sepia, Pastel

Digital Picture Effect(s): Old Movie

PictBridge Compatible: Yes

Low Light Capability: Super NightShot®

Fader Effect(s): Black, White

Face Index: Yes

Film Roll Index: Yes

Photo Capture from Movie: Yes

Dubbing Button: Yes (Camera body & Handycam Station)

x.v.Color™ : N/A

BRAVIA® Sync™ : N/A

Video

Format: SD (MPEG2)

Video Signal: NTSC color, EIA standards

Video Features

PhotoTV HD: N/A

Inputs and Outputs

Analog Audio/Video Output(s): Included (via A/V Remote Terminal)

USB Port(s): Hi-speed (2.0 compliant)

S-Video Output(s): Available via A/V Remote (cable not included)

Audio/Video Remote Terminal: Yes

Active Interface Shoe: Yes

Display

LCD Screen: 2.7" wide¹ (16:9) touch panel Clear Photo LCD Plus™ display (211k pixels)

Viewfinder: N/A

Hardware

Memory Stick slot: Memory Stick PRO Duo™ Media

Manual / Auto Lens Cover: Auto

Assignable Dial: N/A

S/S & Zoom button on LCD: Yes

Light/Flash: Yes

Optics/Lens

35mm Equivalent: 49 - 735mm (4:3 Camera Mode), 40 - 600mm (16:9 Camera Mode)

Aperture: F1.8-2.6

Exposure: Touch Panel

Filter Diameter: 30mm

Focal Distance: 3.1 - 46.5mm

Focus: Full range auto / Manual (Touch Panel)

Progressive Shutter Mode: Yes

Shutter Speed: Auto, 1/30 - 1/250 (Scene Selection Mode)

Optical Zoom: 15x

Digital Zoom: 180x

Lens Type: Carl Zeiss® Vario-Sonnar® T

Minimum Illumination: 8 lux (Auto Slow Shutter ON, Shutter Speed 1/30)

Power

Battery Type: InfoLITHIUM® with AccuPower™ Meter System (NP-FH60)

Power Requirements: 7.2V (battery pack); 8.4V (AC Adaptor)

Power Consumption (in Operation): 3.0W (VF/LCD)

Service and Warranty Information

Limited Warranty Term: Limited Warranty ... 1 Year Parts; 90 Days Labor

Software

Operating System Compatibility: Microsoft® Windows® 2000 Professional, XP Home, XP Professional, Windows Vista

Supplied Software: Picture Motion Browser Ver.3.0.00

Dimensions

Weight: 1 lb 3 oz (560g) with Battery

Measurements: 3 1/4 x 3 x 5 1/8 inch (81 x 76 x 129mm)

Supplied Accessories

Power Adapter/In-Camera Charger (AC-L200)

InfoLITHIUM® Rechargeable Battery (NP-FH60)

Remote Commander® Remote Control (RMT-835)

Multi A/V Cable (Stereo)

USB Cable

Application CD-ROM w/ Driver

Enjoy Handycam DVD

UPC Code: 027242727724

1. Viewable area measured diagonally.

2. Camcorder captures high definition footage in the AVCHD™ format. Using the enclosed PC software, high definition footage can be copied onto DVD media. However, DVD media containing AVCHD footage should not be used with DVD based players or recorders, as the DVD player/recorder may fail to eject the media and may erase its contents without warning. DVD media containing AVCHD footage may be played on a compatible Blu-ray Disc™ player/recorder or other compatible device.

3. DVD media/formats are not universally compatible.

4. HD viewing requires a Sony HD connector cable or HD Cyber-shot Station® cradle and HDV. All sold separately.

5. iLINK is a trademark of Sony used only to designate that a product contains an IEEE1394 connection. The iLINK connection may vary depending on the software applications, operating system and compatible iLINK devices. All products with an iLINK connection may not communicate with each other.

6. Not all products with USB connectors may communicate with each other due to chipset variations.

7. Actual battery life will vary based on product settings, usage patterns, battery and environmental conditions.

8. Compatible BRAVIA® HDTV and special TV settings are required. Further details are available in the BRAVIA® TV instruction manual.

9. 60GB means 60 billion bites. Available storage capacity may vary and a portion of the memory is used for data management functions.

Hard Disk Drive Handycam® camcorder

10. Requires BRAVIA Sync feature in each product. Please refer to owner's manual to determine compatibility.

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